

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Darayne Bost Examiner #: 68951 Date: 5/24/04
 Art Unit: 2600 Phone Number 30 Serial Number: 10/762188
 Mail Box Location: PK2 9A37 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

US 6,081,491

STAFF USE ONLY

Searcher: KET

Searcher Phone #: _____

Searcher Location: _____

Date Searcher Picked Up: 5/24/04

Date Completed: 5/24/04

Searcher Prep & Review Time: _____

Clerical Prep Time: _____

Online Time: 25

Type of Search

NA Sequence (#) _____

AA Sequence (#) _____

Structure (#) _____

Bibliographic _____

Litigation _____

Fulltext _____

Patent Family _____

Other _____

Vendors and cost where applicable

STN

Dialog

Questel/Orbit

Dr.Link

Lexis/Nexis

Sequence Systems

WWW/Internet

Other (specify) _____

Query/Command : prt max legalall

1/1 PLUSPAT - ©QUESTEL-ORBIT - image

PN -  US6081491 A 20000627 [US6081491]
TI - (A) Optical disk vibration sensing and reproducing device
PA - (A) SANYO ELECTRIC CO (JP); TOKYO SANYO ELECTRIC CO (JP)
PA0 - Sanyo Electric Company, Ltd., Osaka-fu [JP]
Tottori Sanyo Electric Company, Ltd., Tottori-ken [JP]
IN - (A) OTA TAKUMI (JP); KISHISHITA AKIHIRO (JP); KODANI KIYOSHI (JP); HAYASHIDA MASAYUKI (JP)
AP - US37865799 19990820 [1999US-0378657]
FD - Cont. of US162988 19980929 [1998US-0162988]
Cont. of US855252 19970513 [1997US-0855252]
Continuation of: US6009053
Continuation of: US5886966
PR - US37865799 19990820 [1999US-0378657]
JP12179796 19960516 [1996JP-0121797]
JP22857196 19960829 [1996JP-0228571]
US16298898 19980929 [1998US-0162988]
US85525297 19970513 [1997US-0855252]
IC - (A) G11B-003/90
EC - G11B-019/04
G11B-019/28
G11B-033/08
PCL - ORIGINAL (O) : 369053280; CROSS-REFERENCE (X) : 369044320
369053300
DT - Basic
CT - US4530018; US4750059; US5434829; US5636193; US5706265; JP07182796
STG - (A) United States patent
AB - In an optical disk reproducing device capable of rotating an optical disk at a selected one of a plurality of preset linear velocities, vibration or shock of the device is detected during rotation of the disk, and the linear velocity of the disk is determined based on the result of the detection of the vibration or shock to restrain the vibration and shock within a permissible range. A limit rotational velocity above which the vibration or shock is excessive may be determined during a test conducted each time a disk is inserted, and the linear velocity of the disk during reproduction may be determined such that the rotational velocity does not exceed the limit rotational velocity.
UP - 2000-26

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6081491

<=1> GET 1st DRAWING SHEET OF 3

June 27, 2000

Optical disk vibration sensing and reproducing device

APPL-NO: 378657 (00)

FILED-DATE: August 20, 1999

GRANTED-DATE: June 27, 2000

CORE TERMS: velocity, rotational, disk, linear, vibration, tracking, shock, focusing, controller, rpm ...

LEXIS-NEXIS

Library: PATENT

File: ALL

6,081,491 OR 6081491

LEXIS-NEXIS
Library: PATENT
File: CASES

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEXIS-NEXIS
Library: PATENT
File: JNLS

Your search request has found no ITEMS.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

6,081,491 OR 6081491

LEXIS-NEXIS
Library: NEWS
File: CURNWS

Your search request has found no STORIES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

s pn=us 6081491
S4 1 PN=US 6081491
? t 4/39/1

4/39/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
(c) 2004 EPO. All rts. reserv.

14344035

Basic Patent (No,Kind,Date): JP 10124993 A2 19980515 <No. of Patents: 005
>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
JP 10124993	A2	19980515	JP 97126859	A	19970516 (BASIC)
JP 3316416	B2	20020819	JP 97126859	A	19970516
US 5886966	A	19990323	US 855252	A	19970513
US 6009053	A	19991228	US 162988	A	19980929
US 6081491	A	20000627	US 378657	A	19990820

Priority Data (No,Kind,Date):

JP 97126859 A 19970516
JP 96121797 A 19960516
JP 96228571 A 19960829
US 162988 A 19980929
US 855252 A1 19970513
US 378657 A 19990820
US 162988 A1 19980929

PATENT FAMILY:

JAPAN (JP)

Patent (No,Kind,Date): JP 10124993 A2 19980515

OPTICAL DISK REPRODUCING DEVICE (English)

Patent Assignee: SANYO ELECTRIC CO; TOKYO SANYO ELECTRIC CO

Author (Inventor): OTA TAKUMI; HAYASHIDA MASAYUKI; KISHISHITA AKIHIRO;
KOTANI SEISHI

Priority (No,Kind,Date): JP 97126859 A 19970516; JP 96121797 A
19960516; JP 96228571 A 19960829

Applic (No,Kind,Date): JP 97126859 A 19970516

IPC: * G11B-019/247; G11B-019/28; G11B-020/18

Derwent WPI Acc No: * G 98-338700; G 98-338700

Language of Document: Japanese

Patent (No,Kind,Date): JP 3316416 B2 20020819

Priority (No,Kind,Date): JP 97126859 A 19970516; JP 96121797 A
19960516; JP 96228571 A 19960829

Applic (No,Kind,Date): JP 97126859 A 19970516

IPC: * G11B-019/247; G11B-019/28; G11B-020/18

Derwent WPI Acc No: * G 98-338700

Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5886966 A 19990323

OPTICAL DISK VIBRATION SENSING AND REPRODUCING DEVICE (English)

Patent Assignee: SANYO ELECTRIC CO (JP); TOKYO SANYO ELECTRIC CO
(JP)

Author (Inventor): OTA TAKUMI (JP); KISHISHITA AKIHIRO (JP); KODANI
KIYOSHI (JP); HAYASHIDA MASAYUKI (JP)

Priority (No,Kind,Date): JP 96121797 A 19960516; JP 96228571 A
19960829

Applic (No,Kind,Date): US 855252 A 19970513

National Class: * 369054000; 369050000

IPC: * G11B-003/90

Derwent WPI Acc No: * G 98-338700

Language of Document: English
Patent (No,Kind,Date): US 6009053 A 19991228
OPTICAL DISK VIBRATION SENSING AND REPRODUCING DEVICE (English)
Patent Assignee: TOKYO SANYO ELECTRIC CO (JP); SANYO ELECTRIC CO (JP)
Author (Inventor): OTA TAKUMI (JP); KISHISHITA AKIHIRO (JP); KODANI KIYOSHI (JP); HAYASHIDA MASAYUKI (JP)
Priority (No,Kind,Date): US 162988 A 19980929; JP 96121797 A 19960516; JP 96228571 A 19960829; US 855252 A1 19970513
Applc (No,Kind,Date): US 162988 A 19980929
Addnl Info: 5886966 Patented
National Class: * 369044320; 369050000; 369054000
IPC: * G11B-007/00; G11B-005/09
Derwent WPI Acc No: * G 98-338700
Language of Document: English
Patent (No,Kind,Date): US 6081491 A 20000627
OPTICAL DISK VIBRATION SENSING AND REPRODUCING DEVICE (English)
Patent Assignee: SANYO ELECTRIC CO (JP); TOKYO SANYO ELECTRIC CO (JP)
Author (Inventor): OTA TAKUMI (JP); KISHISHITA AKIHIRO (JP); KODANI KIYOSHI (JP); HAYASHIDA MASAYUKI (JP)
Priority (No,Kind,Date): US 378657 A 19990820; JP 96121797 A 19960516; JP 96228571 A 19960829; US 162988 A1 19980929; US 855252 A1 19970513
Applc (No,Kind,Date): US 378657 A 19990820
Addnl Info: 6009053 Patented; 5886966 Patented
National Class: * 369054000; 369044320
IPC: * G11B-003/90
Derwent WPI Acc No: * G 98-338700
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):
US 5886966 P 19960516 US AA PRIORITY (PATENT)
JP 96121797 A 19960516
US 5886966 P 19960829 US AA PRIORITY (PATENT)
JP 96228571 A 19960829
US 5886966 P 19970513 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 855252 A 19970513
US 5886966 P 19970513 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
SANYO ELECTRIC CO., LTD. 5-5, KEIHANHONDORI
2-CHOME, MORIGUCHI-SHI OSAKA-FU, JAP ; OTA,
TAKUMI : 19970506; KISHISHITA, AKIHIRO :
19970506; KODANI, KIYOSHI : 19970506;
HAYASHIDA, MASAYUKI : 19970506
US 5886966 P 19970811 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
SANYO ELECTRIC CO., LTD. 5-5, KEIHANHONDORI
2-CHOME MORIGUCHI-SHI, OSAKA-FU, JAP ; OTA,
TAKUMI : 19970506; KISHISHITA, AKIHIRO :
19970506; KODANI, KIYOSHI : 19970506;
HAYASHIDA, MASAYUKI : 19970506
US 5886966 P 19990323 US A PATENT
US 6009053 P 19960516 US AA PRIORITY (PATENT)
JP 96121797 A 19960516
US 6009053 P 19960829 US AA PRIORITY (PATENT)
JP 96228571 A 19960829
US 6009053 P 19970513 US AA PRIORITY
US 855252 A1 19970513

US 6009053 P 19980929 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 162988 A 19980929

US 6009053 P 19991228 US A PATENT

US 6081491 P 19960516 US AA PRIORITY (PATENT)
JP 96121797 A 19960516

US 6081491 P 19960829 US AA PRIORITY (PATENT)
JP 96228571 A 19960829

US 6081491 P 19970513 US AA PRIORITY
US 855252 A1 19970513

US 6081491 P 19980929 US AA PRIORITY
US 162988 A1 19980929

US 6081491 P 19990820 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 378657 A 19990820

US 6081491 P 20000627 US A PATENT